Friday, 01/08/2008 10:46:54 AM

User: Julie Lecocq

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

S.O. No. :

Job Number

: 40919

: 13314

Estimate Number

P.O. Number

: 01/08/2008 This Issue : NC

Prsht Rev. First Issue **Previous Run**

: // : 40827

Type : SMALL /MED FAB **Part Number**

Due Date

Drawing Name

: D412769044

Drawing Number

: D412-769-2 REVB : N/A

: AFT FACING SEAT ASS'Y RH

Project Number

: B **Drawing Revision**

Material

: 22/08/2008

Qty:

1 Um: Each

Written By

Checked & Approved By Comment

08.05-12 new issue : Est rev A

DD verified by:ec

08-07-17 revB as per dwg DD verified by:ec Est Rev:B

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

2.0

D3782045

Back Leg Assembly





Comment: Qty.:

2.0000 Each(s)/Unit Total:

2.0000 Each(s)



Back Leg Assembly

batch:

D3782041

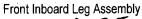
Front Inboard Leg Assembly



1.0000 Each(s)/Unit

Total:

1.0000 Each(s)



batch:

42135



4.0

D3782044

Front Outboard Leg Assembly, RH

0

Comment: Qty.:

Comment: Qty.: 1.0000 Each(s)/Unit

Total:

1.0000 Each(s)

Front Outboard Leg Assembly, RH batch:

Lateral Brace Assembly



1.0000 Each(s)/Unit

D3783041



FF 08/10/21

Comment: Qty.:

Total:

1.0000 Each(s)

Lateral Brace Assembly

1087 batch:

Dart Ae	rospace	Ltd						
W/O:			WC	RK ORDER CHANG	ES			
DATE	STEP	PRC	OCEDURE CHAI	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
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<u>-</u>		Description of NC		Corrective Action Secti	on B	Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector

		Description of NC		Corrective Action Section B			Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
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Date: Friday, 01/08/2008 10:46:54 AM User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y RH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40919 Part Number: D412769044 Job Number: Seq. #: **Machine Or Operation: Description:** D3783043 6.0 Longitudinal Brace Assembly Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Longitudinal Brace Assembly 40875 batch: 7.0 D3783045 Angle Brace Assembly Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Angle Brace Assembly batch:_13 D3784041 Seat Support Assembly, Center 8.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, Center 408F batch: D3784043 9.0 Seat Support Assembly, LH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, LH 40278 batch: 10.0 D3784044 Seat Support Assembly, RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, RH batch: 11.0 D37662 Front Rail, RH Comment: Qty.: Total: 1.0000 Each(s)/Unit 1.0000 Each(s) Front Rail batch: 12.0 D37663 Rear Rail Comment: Qty.: Total: 1.0000 Each(s) Rear Rail batch:

W/O:		WORK ORDER CH	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	٠.	PAR #: Fault Category:	NCR: Yes	No DO	Δ.	Date:	

QA: N/C Closed: ____ Date: ___

NCR:	1		WORK ORDE	ER NON-CONFORMANO	CE (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval QC Inspector
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	
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Friday, 01/08/2008 10:46:54 AM Date: User: ' Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y RH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40919 Part Number: D412769044 Job Number: Seq. #: **Machine Or Operation:** Description: D37671 Upper Rail 13.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Upper Rail batch: 14.0 D37921 Seat Belt Eye Bolt Comment: Qty.: 3.0000 Each(s)/Unit Total: 3.0000 Each(s) Seat Belt Eye Bolt batch: Bolt 15.0 AN415A Comment: Qty.: Total: 2.0000 Each(s) Bolt 4108868 batch: AN45 13A EYE BOLT 16.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) EYE BOLT batch: 17.0 AN510A Boit Comment: Otv. Total: 6.0000 Each(s) Bolt M10887 batch:_ AN513A Comment: Qty.: Total: 2.0000 Each(s)/Unit 2.0000 Each(s) Bolt batch: 19.0 AN960JD10 Washer Comment: Qty.: 21.0000 Each(s)/Unit Total : 21.0000 Each(s) Washer batch: <u>M/6903</u> (or NAS1149D0363J) batch:

W/O:		WORK ORDER CHAN	IGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A :	Date: _	
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B	·	Varification	Approval Chief Eng	Approval QC Inspector
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C		
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Friday, 01/08/2008 10:46:54 AM Date: User: ' Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y RH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40919 **Part Number:** D412769044 Job Number: Seq. #: Description: Machine Or Operation: AN960JD416 20.0 Washer Comment: Qty.: 4.0000 Each(s)/Unit Total: 4.0000 Each(s) Washer batch: M108837 (or NAS1149D0463J) batch: AN960JD516 Washer 21.0 20.0000 Each(s)/Unit Total: 20.0000 Each(s) Comment: Qty.: Washer batch: M109059 (or NAS1149D0568J) batch: 22.0 Screw Comment: Qty.: 9.0000 Each(s)/Unit Total: 9.0000 Each(s) Screw batch: 23.0 Comment: Qty.: 9.0000 Each(s)/Unit Total: 9.0000 Each(s) Nut batch: M (0 \$70 / 24.0 MS21042L4 Comment: Qty.: Total: 2.0000 Each(s)/Unit 2.0000 Each(s) Nut M108145 batch: 25.0 Nut 12.0000 Each(s) Comment: Qty.: 12.0000 Each(s)/Unit Total: Nut batch: M/08/6/

W/O:		WORK ORDER CH	ANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No:	PAR #: Fault Category: NCR: Yes No DQA: Date:	
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Friday, 01/08/2008 10:46:55 AM Date: User: Julie Lecocq **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: AFT FACING SEAT ASS'Y RH Job Number: 40919 Part Number: D412769044 Job Number: Seq. #: Machine Or Operation: Description: SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 26.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 08/10/20 1- assemble as per dwg D412-769-2 INSPECT WORK TO CURRENT STEP 27.0 QC5 Comment: INSPECT WORK TO CURRENT STEP POWDER COATING POWDER COATING 28.0 6 442 Comment: POWDER COATING 1- mask D3782-041 and D3782-043 front legs and D3787-1 foot as per dwg D412-769-041 2- Powder coat remainig of assembly grey as per dwg D412-769-2 Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 START TIME: **OVEN TEMPERATURE:** FINISH TIME: 29.0 QC3 INSPECT POWDER COAT/CHEMICAL CONVERSION Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 30.0 Comment: PACKAGING RESOURCE #1 Pick Packing Kit D37751 31.0 Guard Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Guard 00/10/21 batch:

Dart Ae	rospace	e Ltd .							
N/O:			٧	VORK ORDER CHANGES	•				
DATE	STEP	PRO	OCEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspector
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Part No	:	PAR #:	Fault Ca	tegory: NC	R: Yes	No DQ	A :	_ Date: _	
· · · · ·	26 .				QA: N	I/C Close	d:	Date:	· · · · · · · · · · · · · · · · · · ·
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D. 4.T.E.	0.750	Description of NC		Corrective Action Section B		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Secti		Chief Eng	QC Inspector
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				-		1	. '		

Friday, 01/08/2008 10:46:55 AM Date: User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y RH Customer: CU-DAR001 Dart Helicopters Services Part Number: D412769044 Job Number: 40919 Job Number: Seq. #: **Machine Or Operation: Description:** D37741 Seat Bottom, LH/RH 32.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH 41084 batch: D37743 33.0 Seat Back, LH/RH Comment: Qty.: 1.0000 Each(s) 1.0000 Each(s)/Unit Total: Seat Bottom, LH 4086S batch: AN525 10R22 34.0 Screw Comment: Qty.: Total: 13.0000 Each(s) 13.0000 Each(s)/Unit Screw batch 35.0 Washer Comment: Qty.: 13.0000 Each(s)/Unit Total: 13.0000 Each(s) Washer M105793 batch:_ (or NAS1149D0332J) batch: MS21042L3 Nut 36.0 Comment: Qty.: 19.0000 Each(s)/Unit Total: 19.0000 Each(s) Nut batch: AN35A Bolt 37.0 Comment: Qty.: Total: 6.0000 Each(s) 6.0000 Each(s)/Unit **Bolt** M100188 batch: SMALL & MEDIUM FAB 38.0 SMALL FAB 1 RESOURCE 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 1- install remaining parts as per dwg D412-769-2

W/O:		WORK ORDER C	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					_		
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	_ Date: _	
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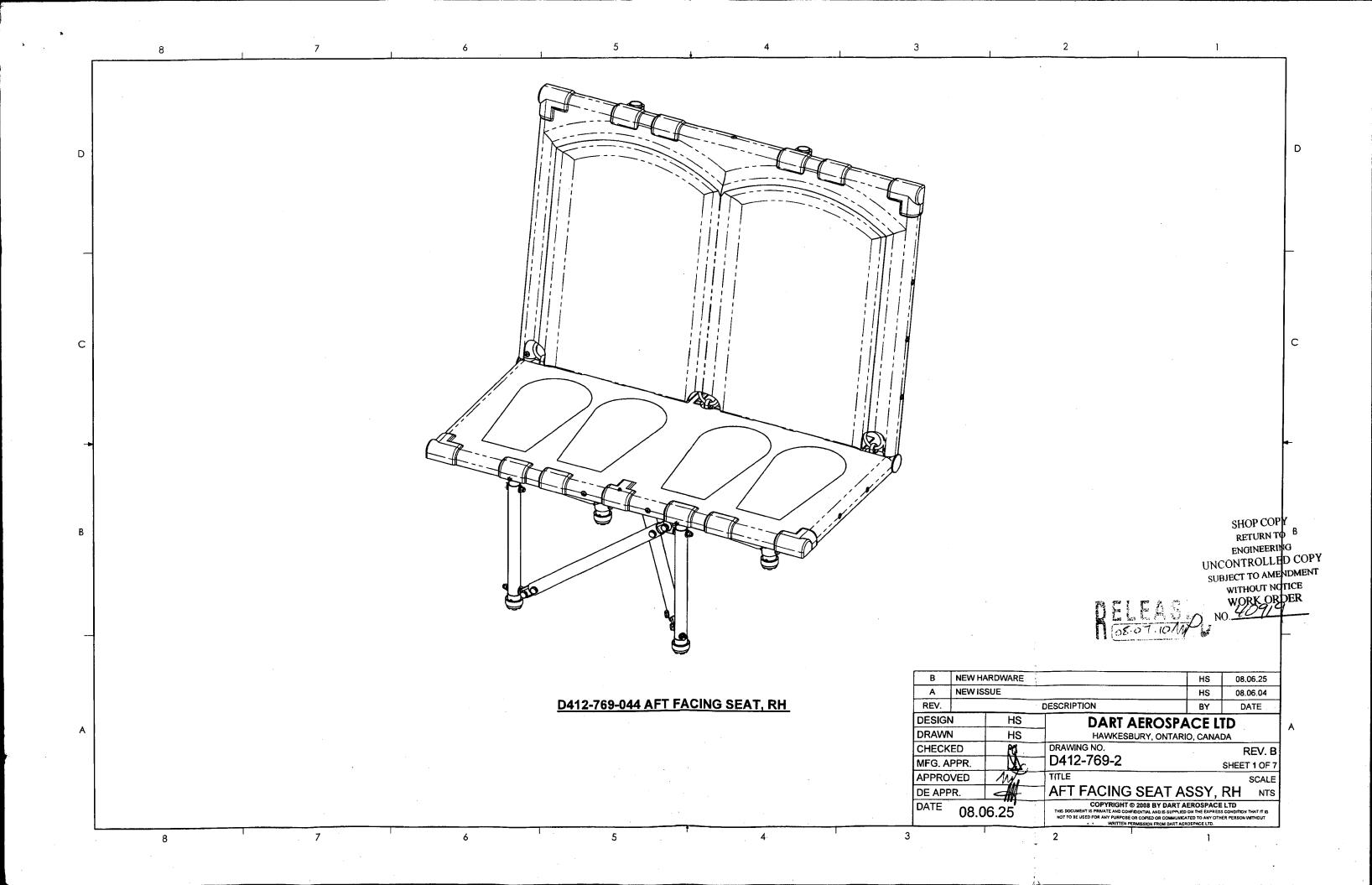
NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Annessal	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector		

Friday, 01/08/2008 10:46:55 AM Date: User: Julie Lecocq **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: AFT FACING SEAT ASS'Y RH Job Number: 40919 Part Number: D412769044 Job Number: Seq. #: **Machine Or Operation:** Description: INSPECT WORK TO CURRENT STEP 39.0 QC5 Comment: INSPECT WORK TO CURRENT STEP 40.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock PPP 40886 Location: QC21 FINAL INSPECTION/W/O RELEASE 41.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
				···					
Part No		PAR #: Fault Category:	NCR: Yes	No DQ/	٠ \ :	Date:	1		

QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
	STEP	Description of NC		Corrective Action Section B			A		
DATE		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector	
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ITEN	NO. PART NUMBER	DESCRIPTION	QTY. (-044)
	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
	D3782-044	FRONT OUTBOARD LEG ASSY, RH	1
4	D3783-041	LATERAL BRACE ASSY	1
	D3783-043	LONGITUDINAL BRACE ASSY	2
-	D3783-045	ANGLE BRACE ASSY	1
	D3784-041	SEAT SUPPORT ASSY	1
	D3784-043	SEAT SUPPORT ASSY, LH	1
(D3784-044	SEAT SUPPORT ASSY, RH	1
1	D3766-2	FRONT RAIL, RH	1
1	1 D3766-3	REAR RAIL	1
1	2 D3767-1	UPPER RAIL	1
1	3 D3792-1	SEAT BELT EYE BOLT	3
1	4 D3775-1	GUARD	2
1	5 D3774-1	SEAT BOTTOM	1
1	6 D3774-3	SEAT BACK	1
1	7 AN3-5A	BOLT	6
1	3 AN4-15A	BOLT	2
1	9 AN45-13A	EYE BOLT	1
2	O AN5-10A	BOLT	6
2	1 AN5-13A	BOLT	2
3\ 2	2 AN525-10R22	SCREW	13
3\ 2	3 AN525-10R24	SCREW	9
2	4 MS21042L3	NUT	28
2	5 MS21042L4	NUT	2
2	6 MS21042L5	NUT	12
2	7 NAS1149D0332J	WASHER (AN960JD10L)	13
2	NAS1149D0363J	WASHER (AN960JD10)	21
2	9 NAS1149D0463J	WASHER (AN960JD416)	4
3	NAS1149D0568J	WASHER (AN960JD516)	20

8 SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO.

D412-769-044 AFT FACING SEAT, RH

DESIGN .	HS	DART AEROSPACE LTD		
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA		
CHECKED ##		DRAWING NO. REV. B		
MFG. APPR.	MO	D412-769-2 SHEET 2 OF 7		
APPROVED	1M	TITLE SCALE		
DE APPR.		AFT FACING SEAT ASSY, RH NTS		
DATE 08.0	06.25	COPYRIGHT @ 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT		

NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR TO
INSTALLATION OF SEAT BOTTOM/BACK (D3774-1, -3). MASK FRONT LEGS PRIOR TO POWDER COAT
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)

8

8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

